

Part II

Chapter 7 Bookwork/Homework

Expectations:

Show work and answer the **Problems to complete** below.

Final work should be in numerical order. If you use graph paper, drawings, printouts etc..., cut them out and insert in Problems packet.

Grading:

Part II will be scored as homework/bookwork for Chapter 7

Each part will be graded on a 10 point scale

Points will be converted to a percent to align with grading for the semester

Exceeds expectations	9 or 10
Meets expectations	8
Meets expectations, but components missing	7
Unacceptable for grade	0

If Part II is submitted, but is unacceptable, it can be resubmitted

The resubmitted work will be graded with a max of 7 if acceptable

A new deadline will be determined by instructor

Late work: Deduct 1 pt for every 2 days the project is late

Problems to complete:

	Section
Is an isometry a rigid transformation? Explain	7.1
Can an isometry map an acute triangle onto an obtuse triangle?	7.1
Give an example of an action that preserves length.	7.1
Give an example of an action that does not preserve length.	7.1
Using the alphabet on page 329 #24, explain which letters are rigid transformations of other letters.	
Show examples of reflections, rotations and transformations if possible.	
Using capital letters of the alphabet, show which have line symmetry (horizontal and vertical) and rotational symmetry. (you may want to separate different types of symmetry)	
page 335 Explain #19 <i>The shape of things</i>	7.2
Mirror Message: Create a message of at least 3 words. Use the example and #23-24 to help you	7.2
p 341 #5, 17-20;	7.3
p 344 #15-20	7.1-7.3
p 348 #1-8, p350 #38	7.4
p 354-5 #5-8, 21-24	7.5